



Flexible Photovoltaics for Military Shelters

Products:

QUADRANT:

- Modular unit, equals $\frac{1}{4}$ of existing TEMPER tent fly
- Power: ~190W @ 12 VDC

TEMPER Fly:

- Drop in replacement for existing TEMPER tent fly
- Power: ~750W @ 12 VDC

PowerShade:

- Solar shade provides ~85% reduction in solar load
- Dim: 22' x 20' x 10'9" – 14'6".
- Expandable via modular unit.
- Power: ~1000W @ 12 VDC

NiMH AA Battery Charger:

- **Lightweight:** Only 7.2 oz (w/ 4 AA batteries, included)
- **Compact:** Only 3.25" x 5.75" x 1.50"
- **Efficient:** Recharges two AA batteries in four hours

SBIR Transitions Technology to Commercial Market:

PowerFilm™, the next generation of solar devices:

The perfect way to power electronic equipment in the field. These waterproof units are extremely flexible and durable. Simply unroll the panel and drape it across the roof of a tent, hood of a vehicle, or any other surface. The panel harvests solar energy and converts it into electrical power for portable electronics. Link multiple units together for increased power. The compact panels roll to under 5" diameter for storage.

- **Output:** 5W, 10W, or 20W
- **Weight:** 10 oz. / 16 oz. / 31 oz.
- **Dimension:** 12" wide x 21" / 38" / 73" long

Point of Contact:

Collective Protection Liaison

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QUADRANT



TEMPER Fly



PowerShade



NiMH AA
Battery Charger



PowerFilm

Lightweight Portable
and Durable Remote Power
in the range of
5, 10, and 20 Watts.

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